

ECS Configuration Change Request

Page 1 of 9 Page(s)

1. Originator Joan H. Schessler	2. Log Date: 3/6/02	3. CCR #: 02-0193	4. Rev: -	5. Tel: 301.925.0426	6. Rm #: 2080C	7. Dept. SE
8. CCR Title: Record approved RVARs in the VDB						
9. Originator Signature/Date <i>Joan H. Schessler 3/5/02</i>			10. Class <u>II</u>	11. Type: CCR	12. Need Date: 3/22/02	
13. Office Manager Signature/Date <i>Eugene M. Malan 3/6/02</i>			14. Category of Change: VDB		15. Priority: (If "Emergency" fill in Block 27). Routine	
16. Documentation/Drawings Impacted: NA			17. Schedule Impact: NA		18. CI(s) Affected: NA	
19. Release Affected by this Change: N/A		20. Date due to Customer: NA		21. Estimated Cost: None - Under 100K		
22. Source Reference: <input type="checkbox"/> NCR (attach) <input type="checkbox"/> Action Item <input type="checkbox"/> Tech Ref. <input type="checkbox"/> GSFC <input type="checkbox"/> Other:						
23. Problem: (use additional Sheets if necessary) All approved Requirements Verification by Analysis Reports (RVARs) need to be added to the VDB for tracking Level 3 Requirement Self-off status.						
24. Proposed Solution: (use additional sheets if necessary) Add the following RVARs to the VDB: 52, 53, 54, 55, 57, 71, 94, 105 per attached hard copy.						
25. Alternate Solution: (use additional sheets if necessary)						
26. Consequences if Change(s) are not approved: (use additional sheets if necessary) ESDIS could not track L3RR status.						
27. Justification for Emergency (If Block 15 is "Emergency"):						
28. Site(s) Affected: <input type="checkbox"/> EDF <input type="checkbox"/> PVC <input type="checkbox"/> VATC <input type="checkbox"/> EDC <input type="checkbox"/> GSFC <input type="checkbox"/> LaRC <input type="checkbox"/> NSIDC <input type="checkbox"/> SMC <input type="checkbox"/> AK <input type="checkbox"/> JPL <input type="checkbox"/> EOC <input type="checkbox"/> IDG Test Cell <input type="checkbox"/> Other						
29. Board Comments:			30. Work Assigned To:		31. CCR Closed Date:	
32. EDF/SCDV CCB Chair (Sign/Date): <i>Byron J. Peter 3/13/02</i>			Disposition: <u>Approved</u> App/Com. Disapproved Withdraw Fwd/ESDIS ERB			
33. M&O CCB Chair (Sign/Date):			Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS Fwd/ECS			
34. ECS CCB Chair (Sign/Date):			Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB			



ECS Requirement Verification by Analysis Report

Report No.:	0052	L3 Req ID:	DADS1235
Current VDB Record			
CCR No.:	99-0496	CCR Date:	06/07/1999
Release:	5A Partial	Category:	SDSRV
Requirement Text:			
The ECS shall temporarily store expedited data received for 48 hours.			
Clarification Text:			
Current: data is stored and not deleted			
Future: manual deletion Assume that the capability for manual deletion (DADS0491) will encompass this. Expedited data storage capacity is estimated as 0.02 of the daily Level 0 ingest multiplied by two for two days of storage: GSFC 6.4 GB (ASTER and MODIS); LaRC 1.9 GB (MISR, CERES, and MOPPIT). (ref: ECS F&PRS Appendix C, Table C-1 and EOSD1030 for 2%)			
Verification Analysis:			
Tickets EN_6A_04, Granule Deletion, satisfies requirement DADS0491, "The ECS shall provide the capability for an authorized operator to delete data products," with a command line delete utility. DADS1235 was not included in that ticket, but the delete utility applies to 48-hr expedited data because it allows the operator to select granules for deletion by 1. ESDT short name, ESDT version, and granule temporal coverage or granule insert time range; or 2. the name of a granule deletion input file listing the granules to be deleted.			
(Attach additional pages as needed)			
VDB Change Recommendations			
Release:	6A Partial	Category:	
Clarification Text:			
(Attach additional pages as needed)			
Analysis by:	JHS <i>Joan H. Schesser</i>	Date:	2/20/02
AO Manager:	<i>Eugene N. Madameau</i>	Date:	2/20/2002
L3 Requirement Verified	<i>[Signature]</i>	Date:	3/5/02
ESDIS:			

ECS Requirement Verification by Analysis Report

Report No.:	0053	L3 Req ID:	IMS-1071
Current VDB Record		CCR No.:	99-0671
		Release:	5A Future
		Requirement Text:	
The ECS shall construct a standing Order for ASTER L1B products associated with a Data Acquisition Request.			
 Clarification Text:			
Subscriptions are automatically associated with DARs.			
 Verification Analysis:			
This requirement is not referenced in ticket RM_6A_07, "EDC processing DPR Attached to a DAR". (The ticket contains the higher-level requirement IMS-1072, "The ECS shall provide the capability for users to construct a one time or standing Product Processing Order associated with a Data Acquisition Request".) However, this ticket actually does address ASTER L1B attached DARs and does satisfy requirement IMS-1071.			
(Attach additional pages as needed)			
VDB Change Recommendations		Category:	
Release:		6A	
Clarification Text:			
(Attach additional pages as needed)			
Analysis by:	<i>Joan H. Schessler</i>	Date:	2/20/02
AO Manager:	<i>Lucy M. Mahan</i>	Date:	2/20/2002
L3 Requirement Verified	<i>[Signature]</i>	Date:	2/5/02
ESDIS:			

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ECS Requirement Verification by Analysis Report

Report No.:	0055	L3 Req ID:	PGS-0596
Current VDB Record			
CCR No.:	99-0496	CCR Date:	Jun 7 1999
Release:	5A Future	Category:	PDPS
Requirement Text:			
The ECS shall provide hardware for the production of ASTER Digital Elevation Model (DEM) products. (Specific COTS software for DEM production is provided by the ASTER science team.)			
Clarification Text:			
Verification Analysis:			
The ASTER DEM hardware has been installed at EDC in the subsystem ASTHW. (See the on-line 920 drawing for EDC.) Processing power and on-line storage capacity have since been upgraded.			
(Attach additional pages as needed)			
VDB Change Recommendations			
Release:	5A	Category:	
Clarification Text:			
(Attach additional pages as needed)			
Analysis by:	<i>Joan H. Schuster</i>	Date:	<i>2/20/02</i>
AO Manager:	<i>Eulyn Mahan</i>	Date:	<i>2/20/2002</i>
L3 Requirement Verified	<i>[Signature]</i>	Date:	<i>3/5/02</i>
ESDIS:			

ECS Requirement Verification by Analysis Report

Report No.:	0057	L3 Req ID:	SDPS0021
Current VDB Record			
CCR No.:	99-0496	CCR Date:	Jun 7 1999
Release:	EOC Partial	Category:	
Requirement Text:			
The ECS shall convert ancillary data sets as identified in Appendix E from their native formats into ECS internal formats to allow access by science algorithms.			
 Clarification Text:			
Current: Limited to at-launch product support Future: Support for all AM-products and for later missions beyond AM-1			
 Verification Analysis:			
This Level 3 requirement isn't cited in any post-5A tickets. However, data conversions are performed on PREPQC and NCEP AVN and there are tickets for both. The relevant tickets are RH_BP_02 (NCEP AVN Ingest; this includes the data conversion), RH_BP_05 (NCEP PREPQC data ingest) and RH_BP_06 (NCEP PREPQC data conversion).			
(Attach additional pages as needed)			
VDB Change Recommendations			
Release:		Category:	
Clarification Text:			
(Attach additional pages as needed)			
Analysis by:	<u>Joan H Schuster</u>	Date:	<u>2/20/02</u>
AO Manager:	<u>Colyn M Maden</u>	Date:	<u>2/20/2002</u>
L3 Requirement Verified	<u>[Signature]</u>	Date:	<u>1/5/02</u>
ESDIS:			

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ECS Requirement Verification by Analysis Report

Report No.:	0105	L3 Req ID:	IMS-0360
Current VDB Record CCR No.: 99-0496 CCR Date: 06/07/1999 Release: Complete Category: IOS Requirement Text: The ECS shall maintain and provide access to an Earth Science On-Line Directory of information that describes whole data sets in the Earth science disciplines.			
Clarification Text:			
Verification Analysis: This requirement was satisfied prior to Release 5A before the EOS Data Gateway (EDG) became the ECS client but is now OBE as an ECS requirement. The ESOD functionality formerly supported by ECS is now outside the ECS in the EDG.			
(Attach additional pages as needed)			
VDB Change Recommendations Release: Category: Clarification Text:			
(Attach additional pages as needed)			
Analysis by:	JHS <i>Joan H. Schuler</i>	Date:	2/21/02
AO Manager:	<i>Elizabeth W. Barrow</i>	Date:	2/22/02
L3 Requirement Verified	<i>[Signature]</i>	Date:	3/5/02
ESDIS:			